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(54) Title: SYSTEMS AND METHODS OF MOLECULAR SPECTROSCOPY TO PROVIDE FOR THE DIAGNOSIS OF TISSUE

(57) Abstract

Systems and methods for spectroscopic diagnosis and treatment are employed which utilize molecular spectroscopy to accurately diagnose the condition of tissue. Infrared Raman spectroscopy and infrared attenuated total reflectance measurements are performed utilizing a laser radiation source and a Fourier transform spectrometer. Information acquired and analyzed in accordance with the invention provides accurate details of biochemical composition and pathologic condition.



